

**Amendments to the Abstract:**

Please replace the abstract with the following amended abstract:

This invention relates to parallel ~~Parallel~~ architecture digital filter and signal receiver with spectrum spreading using such a filter. The, the filter ~~comprises~~ may have  $p$  shift registers ( $R^P$ ,  $R^I$ ) with means for calculating a weighted sum of stored samples in the registers. ~~Thus, p~~ weighted sums ( $S_k^P$ ,  $S_k^I$ ) ~~are obtained which may be~~ obtained and recombined. ~~Number with~~ number  $p$  being, for example, equal to 2.

~~Application in digital transmissions with spectrum spreading.~~

Fig. 4C



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Replacement Sheet

**Abstract:**

This invention relates to parallel architecture digital filter and signal receiver with spectrum spreading using such a filter, the filter may have  $p$  shift registers ( $R^P, R^i$ ) with means for calculating a weighted sum of stored samples in the registers,  $p$  weighted sums ( $S_k^P, S_k^i$ ) may be obtained and recombined with number  $p$  being, for example, equal to 2.